

**2013-2014MY Optima Low Pressure Fuel Tube
Basis of Safety Defect Determination 573.6(c)(6)**

February 21, 2020	Kia Motors America, Inc. (KMA) files recall of 2013-2014MY Optima produced at Kia Motors Manufacturing Georgia (KMMG) due to fuel leak from low pressure fuel tube (20V100).
May 15, 2020	Kia amends its 573 notice for recall 20V100 with updated information, including recall repair remedy. Dealers instructed to inspect the low-pressure fuel tube for damage and/or leaking. If damage and/or leaking is found, the low-pressure tube is to be replaced with a new one. If no damage or leaking is found, a heat-protective tape is to be installed at the connection between the low-pressure fuel tube and fuel pump for added protection.
November 5 - December 8, 2020	Kia North America (Kia NA) Product Quality department issues report identifying a fuel leak in a 2013MY Optima following completion of 20V100 recall heat protective tape application repair. Kia NA Product Quality department requests KMMG investigate issue. Issue may be caused by quick connect fitting rotation at GDI pump.
December 9, 2020	Based on understanding of quick connect fitting rotation at GDI pump, Kia NA issues revised Technical Service Bulletin for Recall 20V100 instructing dealers to inspect rotation of quick connect fitting and replace low pressure fuel tube if fitting rotates with low resistance.
November 11 - December 17, 2021	As part of its regular monitoring of field data, Kia NA Safety Office conducts preliminary review of post-recall repairs involving fuel tube leaks after heat-protective tape was applied.
December 2021 - January 24, 2022	Kia NA Safety Office reviews possible causes of post recall repair fuel leaks following application of the heat protective tape with Kia Corporation (Kia HQ). Exact cause unknown, however, it is believed remedy for previous recall 20V100 may not have been properly performed in all cases by dealers.
February 10, 2022	Kia NA decides to conduct a safety recall for 2013-2014MY Optima vehicles that had the heat protective tape applied. 155 warranty claims (dates of receipt 7/20/20—1/10/22); 12 customer complaints (dates of receipt 7/25/20—1/3/22); 8 techline cases (dates of receipt 7/24/20—12/7/21). No post-recall remedy fires, fatalities, injuries, or crashes.